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DP Ho, YM Teo, JF Gozali - LECTURE NOTES IN COMPUTER SCIENCE, 2002 - Springer

... Even using an efficient **approximate** algorithm, which requires  $N \log \dots$  N-body problem using our **grid** system ALICE ... Section 2 presents the **Barnes-Hut** algorithm - an ...

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### Performance of a heterogeneous **grid** partitioner for N-body applications - \*sou.edu [PDF]

DJ Harvey, SK Das, R Biswas - Parallel Processing, 2003. Proceedings. 2003 International ..., 2003 - [ieeexplore.ieee.org](#)

... cation totals of each vertex to **estimate**  $\epsilon$  values for ... options to MinEX PartGraph, ipg **grid** configuration, and ... The approach is to **approximate** the force ex ...

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### Hierarchical Tree-Structures as Adaptive Meshes - \*new-npac.org [PDF]

DJ Edelsohn - INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 1993 - [worldscinet.com](#)

... is no longer sufficient as an **estimate** for necessary ... requiring correction can utilize the **Barnes-Hut** test of ... are a useful alternative to **grid**-less simulations ...

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### Designing an Efficient Partitioning Algorithm for **Grid** Environments with Application to N-body ...

DJ Harvey, SK Das, R Biswas - LECTURE NOTES IN COMPUTER SCIENCE, 2003 - Springer

... 1) to heuristically **estimate** the effect of a ... Designing an Efficient Partitioning Algorithm for **Grid** Environments 283 ... The approach is to **approximate** the force ...

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S Dwarkadas, K Gharachorloo, L Kontothanassis, DJ ... - Proceedings of the Fifth International Symposium on High- ..., 1999 - doi.

[ieeecomputersociety.org](#)

... It is again hard to **estimate** the performance impact of ... Problem (Data set) Size Time (sec.) **Barnes-Hut** 32K bodies ... Water-nsquared), a uniform 3-D **grid** of cells ...

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### [PDF] \*Lazy Release Consistency for **Distributed** Shared Memory

P Keleher - 1995 - [disca.upv.es](#)

... 1.1 **Distributed** Shared Memory : : : : 2 ... 3.2 Speedups for **Barnes Hut** : : : : 46 ...

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### [\[PDF\] • A Parallel Tree Code](#)

J Dubinski - Arxiv preprint astro-ph/9603097, 1996 - [arxiv.org](#)

... density, pres- sure and temperature at **grid** elements in ... communication cost in the load **estimate** may improve ... The code shows an **approximate** linear scaling versus ...

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D Lenoski, J Laudon, T Joe, D Nakahira, L Stevens, ... - Computer Architecture, 1992. Proceedings., The 19th Annual ..., 1992 - [ieeexplore.ieee.org](#)

... of the fea- sibility of the design, allows one to accurately **estimate** both the ... is granted provided that the copies are not made or **distributed** for direct ...

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### [Multiple \*\*grid\*\* methods for classical molecular dynamics](#) - [uiuc.edu](#) [PDF]

RD Skeel, I Tezcan, DJ Hardy - Journal of Computational Chemistry, 2002 - [dx.doi.org](#)

... of an interaction, the result is an (N log N) **Barnes-Hut** type of ... we approx- imate a softened 1/r on a **grid** with spacing h, we **approximate** a further ...

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H Mahawar, V Sarin, W Shi - ... of the 16 th International Parallel and Distributed ..., 2002 - [doi.ieeeecs.org](#)

... within a localized region to **estimate** impact on ... additions, inner-products and hierarchical **approximate** matrix-vector ... the dimension along which the **grid** is par ...

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